

## CEMENT JOB REPORT



<b>CUSTOMER</b> WHITING OIL & GAS CORP XM		<b>DATE</b> 09-JUL-15		<b>F.R. #</b> 10011164575		<b>SERV. SUPV.</b> Daniel F Kuenz		
<b>LEASE &amp; WELL NAME</b> RAZOR FED #30K-3108 - API 05123402150000		<b>LOCATION</b> NESW Sec 30-10N-58W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado				
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> UNIT 406		<b>TYPE OF JOB</b> Liner				
<b>SIZE &amp; TYPE OF PLUGS</b>	<b>LIST-CSG-HARDWARE</b>	<b>MECHANICAL BARRIERS</b>		<b>MD</b>	<b>TVD</b>	<b>HANGER TYPES</b>	<b>MD</b> <b>TVD</b>	
Dart For Plug Catcher, 4-1/2 In	Float Collar, Pop Valve, 4-1/2 - 8rd					Liner	5493 5493	
	Float Shoe 4-1/2 - 8rd							
	Stop Collar, 4-1/2 in							
	Centralizer, with Pins, 4-1/2 in							
	Thread Locking Compound							
<b>MATERIALS FURNISHED BY BJ</b>		<b>LAB REPORT NO.</b>		<b>PHYSICAL SLURRY PROPERTIES</b>				
				<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>WATER GPS</b>	
Fresh Water w/ Dye		C07-009-15			8.34			
Ultra Flush II				30	12	3.77	24.34	
50:50Poz:G+.2%R3+.2%CD32+.6%FL52+.1%SMS		C07-009-15		667	14.5	1.21	5.26	
+.2%FL63+3%Gel+.01gpsFP6L		C07-009-15			14.5			
2% KCl Water					8.4			
2% KCl Water, Roll Hole					8.4			
Available Mix Water 300 Bbl.		Available Displ. Fluid 300 Bbl.		<b>TOTAL</b>		474.3	100.77	
<b>HOLE</b>		<b>TBG-CSG-D.P.</b>				<b>COLLAR DEPTHS</b>		
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>ID</b>	<b>OD</b>	<b>WGT.</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>
6.125	0	13750	3.34	4	14	DP	5474	5474
			4	4.5	11.6	CSG	13743	6113
			2.563	4	29	DP		S-135
<b>LAST CASING</b>			<b>PKR-CMT RET-BR PL-LINER</b>			<b>PERF. DEPTH</b>		<b>TOP CONN</b>
<b>ID</b>	<b>OD</b>	<b>WGT</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>BRAND &amp; TYPE</b>		<b>DEPTH</b>
6.2	7	29	CSG	6487	6113	Liner		5493
								0 0
								2 1502
								WATER BASED
								9.8
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>		<b>CAL. PSI</b>	<b>CAL. MAX PSI</b>	<b>OP. MAX</b>	<b>MAX TBG PSI</b>	
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>	<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b>	<b>Operator</b>
163.6	BBLS	2% KCl Water	8.4	1269	0	0	0	0
		2% KCl Water, Roll H	8.4					
							10690	8552
				Rig Tanks				
<b>Circulation Prior to Job</b>								
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 4		Circulation Rate: 4 BPM		
Mud Density In: 9.8 LBS/GAL Mud Density Out: 9.8 LBS/GAL				PV & YP Mud In: 9		PV & YP Mud Out: 9		
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:				Solids Present at End of Circulation:		NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>		
<b>Displacement And Mud Removal</b>								
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				Amount Bled Back After Job: 1.5 BBLS				
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL				Method Used to Verify Returns: Visual				
Cement Returns at Surface: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE								
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 104		Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID		
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input type="checkbox"/> MANIFOLD <input checked="" type="checkbox"/> NO MANIFOLD								
<b>Plugs</b>								
Number of Attempts by BJ: 0 Competition: 0				Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Quantity:				
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Top of Plug: 0 FT		Bottom of Plug: 0 FT		
<b>EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:</b> Rig running into hole with drillpipe when we arrived on location. Appi ox 300' left to run. Short minimum of 143sks of cement, 160sks cement had to be sent out.								

# CEMENT JOB REPORT



## Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE ☐ SHOE SQUEEZE ☐ TOP OF LINER SQUEEZE ☐ PLANNED ☐ UNPLANNED ☐  
 Liner Packer: ☒ NO ☐ YES Bond Log: ☒ NO ☐ YES PSI Applied: 0 Fluid Weight: 0 LBS/GAL

## Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: 2596 PSI With 9.8 LBS/GAL Mud Time Held: 00 Hours 05 Minutes

## Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL  
 Number of Times Tests Conducted: 0 Mud Weight When Test was Conducted: 0 LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)  
 None

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)  
 Knife Gate Stuck @ 50% 31 bbls into cement. Down 12min to get fixed

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)  
 None

### PRESSURE/RATE DETAIL

### EXPLANATION

TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>
	PIPE	ANNULUS				TEST LINES 5132 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
06:00						YARD CALL
07:15						PRE-JOB CONVOY SAFETY MEETING
07:30						DEPART BHI YARD
09:30						ARRIVE ON LOCATION
09:35						CHECK IN WITH COMPANY MAN
09:45						ALL EO'S OFF DUTY WELLSITE, RIG RUNNING DRILL PIPE
10:45						ALL EO'S BACK ON DUTY
10:46						SAFETY WALK AROUND ON LOCATION
10:52						PRE-RIG UP SAFETY MEETING
11:00						SPOT CEMENT EQUIPMENT ON LOCATION
11:20						SHORTAGE OF CEMENT 143sks NOTED TO COMPANY MAN
11:30						CALL TO YARD MADE FOR 160sks CEMENT TO BE LOADED
12:00						CONTAINMENT POND ARRIVED ON LOCATION
12:30	1169	0	4	960	WBM	CASING LANDED, RIG CIRCULATING
13:00						ALL EO'S OFF DUTY WELLSITE, WAITING ON BULK CEMENT TO ARRIVE
14:00						BULK TRUCK DEPARTED BHI YARD
15:15						TOOL HAND CEMENT HEAD ADDED TO DRILL STRING
15:25						DROP BALL
15:30						PRIME UP CEMENT PUMP
16:00						BULK TRUCK ARRIVED ON LOCATION
16:10						SPOT BULK TRUCK, FINISH RIGING UP
16:42						RIG SETTING HANGER
16:55						PRE-JOB SAFETY MEETING
17:10						MAKE UP TOP CONNECTIONS TO WELLHEAD
17:40	969	0	2.4	2	H2O	LOAD LINES, FRESH WATER SPACER
17:43	5132	0	0	0	H2O	PRESSURE TEST HARD LINES
17:49	960	0	2.4	8	H2O	FRESH WATER w/ DYE SPACER
17:54	0	0	0	0	H2O	BATCH UP ULTRA FLUSH II SPACER 12#
18:00	960	0	2.6	20	H2O	ULTRA FLUSH II SPACER @ 12#
18:08	0	0	0	0	CEMENT	BATCH UP CEMENT SLURRY 14.5#
18:16	1069	0	3.6	31	CEMENT	667sks (50:50) Poz:G @ 14.5# CEMENT SLURRY

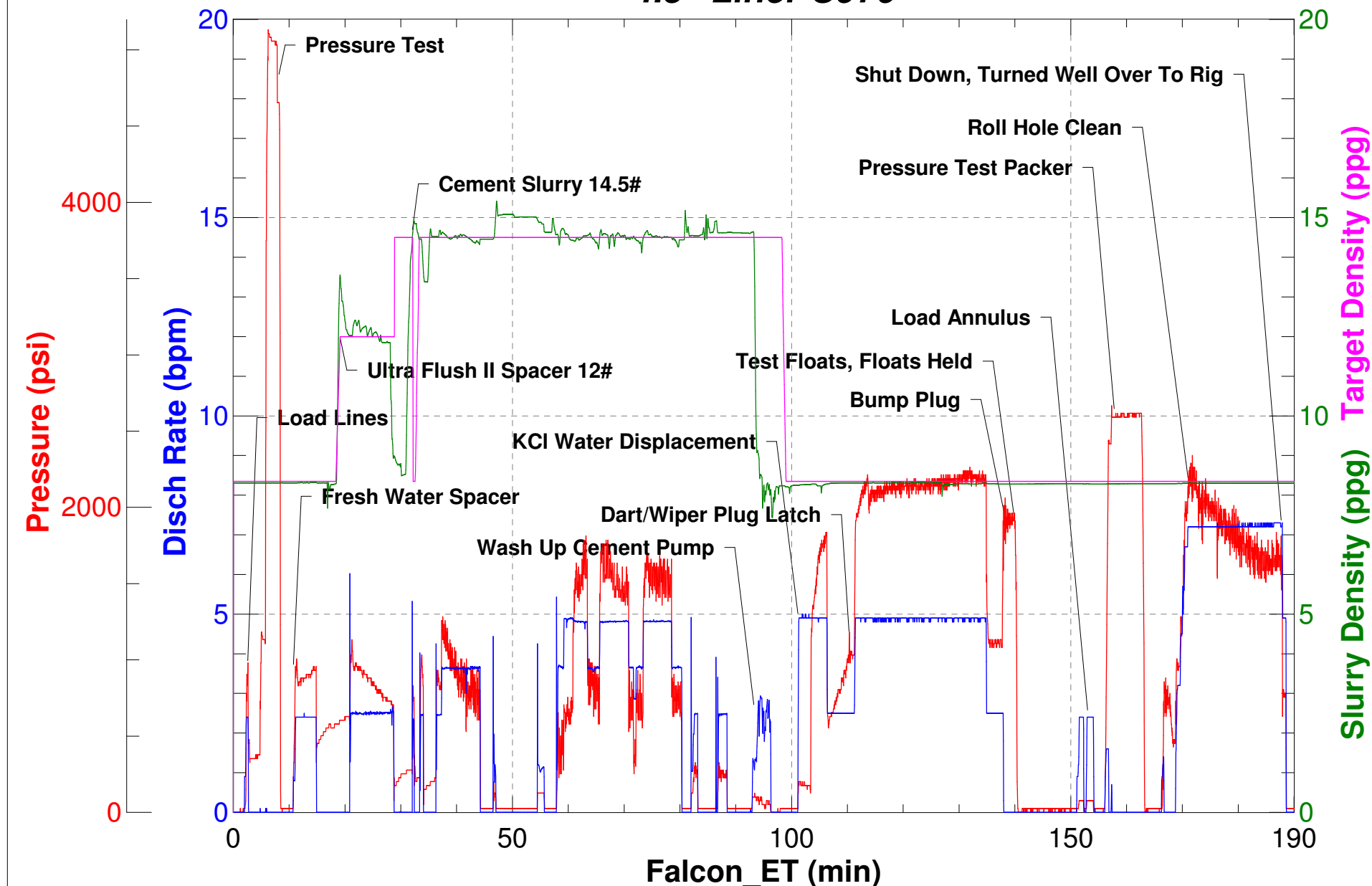
# CEMENT JOB REPORT



PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	5132 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
18:25	0	0	0	0	CEMENT	SHUT DOWN, KNIFE GATE STUCK @ 50%	
18:37	690	0	4.9	69	CEMENT	667sks (50:50)Poz:G @ 14.5# CEMENT SLURRY	
18:52	1496	0	4.9	43.7	CEMENT	667sks (50:50)Poz:G @ 14.5# CEMENT SLURRY	
19:06	0	0	0	0	CEMENT	SHUT DOWN, WASH UP CEMENT PUMP & HARD LINES TO CATCH TANK	
19:20	176	0	4.9	10	H2O	KCI WATER w/ SUGAR DISPLACEMENT	
19:22	496	0	4.9	15	H2O	KCI WATER DISPLACEMENT	
19:26	609	0	2.5	10	H2O	SLOW RATE KCI WATER DISPLACEMENT	
19:30	1200	0	2.5	1	H2O	DART/WIPER PLUG LATCH, TOOL HAND SAYS HE RECORDED 1727 psi	
19:31	1960	0	4.9	64	H2O	KCI WATER DISPLACEMENT	
19:44	2169	0	4.9	50	H2O	KCI WATER DISPLACEMENT	
19:55	1296	0	2.6	13.6	H2O	SLOW RATE,KCI WATER DISPLACEMENT	
19:57	2000	0	0	0	H2O	BUMP PLUG 700 psi OVER FINAL LIFT PRESSURE	
20:00	1969	0	0	0	H2O	TEST FLOATS, BLEED OFF PRESSURE	
20:01	0	0	0	0	H2O	FLOATS HELD, 1.5 bbls FLOWED BACK	
20:03	0	0	0	0	H2O	RIG SETTING PACKER	
20:10	69	0	2.4	5	H2O	ESTABLISH ANNULAR FLOW	
20:14	0	0	0	0	H2O	RIG CLOSING IN BACK SIDE	
20:15	2596	0	1.6	1	H2O	PRESSURE UP ON PACKER	
20:17	2596	0	0	0	H2O	HOLD PRESSURE 5 min	
20:22	2609	0	0	0	H2O	BLEED OFF PRESSURE	
20:26	800	0	.5	.5	H2O	PRESSURE UP ON DRILL PIPE STRING	
20:27	0	0	0	0	H2O	RIG STINGING OUT	
20:29	2113	0	6.9	137	H2O	ROLL HOLE CLEAN, KCI WATER DISPLACEMENT	
20:49	0	0	0	0	H2O	SHUT DOWN	
20:50						TURNED WELL BACK OVER TO RIG	
20:55						POST-JOB SAFETY MEETING, RIG DOWN	
						SOME ULTRA FLUSH BACK TO SURFACE	
						TOP OF CEMENT SLURRY @ APPROX 5494'	
						THANK YOU FOR YOUR SAFE WORK, GOOD COMMUNICATION & COOPERATION !!!!! DANIEL & THE CREW	
21:45						POST-JOB CONVOY SAFETY MEETING	
22:00						DEPARTED LOCATION	
23:59						ARRIVED BACK ON BHI YARD	

BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 1960	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 0	TOTAL BBL. PUMPED 474.3	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N	Service Supervisor Signature:
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## 4.5" Liner C970





FIELD RECEIPT NO. 10011164575

<b>CUSTOMER</b> WHITING OIL & GAS CORP XML					<b>CREDIT APPROVAL NO.</b>		<b>PURCHASE ORDER NO.</b>		<b>CUSTOMER NUMBER</b> 20096998 - 0040137279		<b>INVOICE NUMBER</b>	
<b>MAIL STREET OR BOX NUMBER</b> 1700 BROADWAY, SUITE 2300					<b>CITY</b> DENVER		<b>STATE</b> Colorado		<b>ZIP CODE</b> 80290-2300			
<b>INVOICE TO</b>												
<b>DATE WORK COMPLETED</b>		<b>MO.</b> 07	<b>DAY</b> 09	<b>YEAR</b> 2015	<b>BHI REPRESENTATIVE</b> Daniel F Kuenz		<b>WELL API NO:</b> 05123402150000		<b>WELL TYPE :</b> New Well			
<b>DISTRICT</b> PP, BRIGHTON					<b>JOB DEPTH (ft)</b> 13,743		<b>WELL CLASS :</b> Oil					
<b>WELL NAME AND NUMBER</b> RAZOR FED #30K-3108					<b>TD WELL DEPTH (ft)</b> 13,750		<b>GAS USED ON JOB :</b> No Gas					
<b>WELL LOCATION :</b> 30-10N-58W					<b>COUNTY/PARISH</b> Weld		<b>STATE</b> Colorado		<b>JOB TYPE CODE :</b> Liner			
<b>PRODUCT CODE</b>		<b>DESCRIPTION</b>				<b>UNIT OF MEASURE</b>	<b>QUANTITY</b>	<b>LIST PRICE UNIT</b>	<b>GROSS AMOUNT</b>	<b>% DISC.</b>	<b>NET AMOUNT</b>	
100021		Class G Cement				sacks	334	31.800	10,621.20	75%	2,655.30	
100275		Sodium Metasilicate				lbs	57	4.100	233.70	82%	42.07	
100283		R-3				lbs	113	3.840	433.92	82%	78.11	
100316		Barite, Bulk				lbs	4200	0.630	2,646.00	80%	529.20	
100317		Poz (Fly Ash)				sacks	334	14.200	4,742.80	75%	1,185.70	
398117		Ultra Flush II System				bbls	20	213.500	4,270.00	90%	427.00	
488013		CD-32				lbs	113	13.300	1,502.90	82%	270.52	
488015		FL-52				lbs	337	26.900	9,065.30	82%	1,631.75	
488019		FP-6L				gals	2	104.250	208.50	75%	52.13	
488449		Bentonite II				lbs	1682	0.440	740.08	82%	133.21	
499632		Granulated Sugar				lbs	100	3.840	384.00	75%	96.00	
499767		FL-63				lbs	113	72.000	8,136.00	82%	1,464.48	
		SUB-TOTAL FOR Product Material							42,984.40	80.07%	8,565.47	
<b>ARRIVE LOCATION :</b>		<b>MO.</b> 07	<b>DAY</b> 09	<b>YEAR</b> 2015	<b>TIME</b> 09:30	<b>SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.</b>				<b>SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.</b>		
<b>CUSTOMER REP.</b> Chris Boldgett, Kevin Mosley												
<b>SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS</b>					<b>CUSTOMER AUTHORIZED AGENT</b> X					<b>BHI APPROVED</b> X		
					<b>CUSTOMER AUTHORIZED AGENT</b>							



FIELD RECEIPT NO. 10011164575

<b>CUSTOMER</b> WHITING OIL & GAS CORP XML				<b>CREDIT APPROVAL NO.</b>		<b>PURCHASE ORDER NO.</b>		<b>CUSTOMER NUMBER</b> 20096998 - 0040137279		<b>INVOICE NUMBER</b>	
<b>MAIL STREET OR BOX NUMBER</b> 1700 BROADWAY, SUITE 2300				<b>CITY</b> DENVER		<b>STATE</b> Colorado		<b>ZIP CODE</b> 80290-2300			
<b>DATE WORK MO. DAY YEAR</b> COMPLETED 07 09 2015				<b>BHI REPRESENTATIVE</b> Daniel F Kuenz		<b>WELL API NO:</b> 05123402150000		<b>WELL TYPE :</b> New Well			
<b>DISTRICT</b> PP, BRIGHTON				<b>JOB DEPTH (ft)</b> 13,743		<b>WELL CLASS :</b> Oil		<b>GAS USED ON JOB :</b> No Gas			
<b>WELL NAME AND NUMBER</b> RAZOR FED #30K-3108				<b>TD WELL DEPTH (ft)</b> 13,750		<b>JOB TYPE CODE :</b> Liner					
<b>WELL LOCATION :</b> 30-10N-58W				<b>COUNTY/PARISH</b> Weld		<b>STATE</b> Colorado					
<b>PRODUCT CODE</b>		<b>DESCRIPTION</b>				<b>UNIT OF MEASURE</b>	<b>QUANTITY</b>	<b>LIST PRICE UNIT</b>	<b>GROSS AMOUNT</b>	<b>% DISC.</b>	<b>NET AMOUNT</b>
H9985		Additional Hours				ea	4	750.000	3,000.00	100%	0.00
H9985		Additional Mileage 105miles One Way				ea	1	700.000	700.00	0%	700.00
VP001		Cement Svcs Lin Equip-100miles or less				ea	1	15,750.000	15,750.00	0%	15,750.00
		SUB-TOTAL FOR Equipment							19,450.00	15.42%	16,450.00
		FIELD ESTIMATE							62,434.40	59.93%	25,015.47
<b>ARRIVE LOCATION :</b>		<b>MO.</b> 07	<b>DAY</b> 09	<b>YEAR</b> 2015	<b>TIME</b> 09:30	<b>SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.</b>				<b>SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.</b>	
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<b>SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS</b>											